SunLong Biotech Co.,LTD
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Rabbit Anti-DGKA antibody

SL14294R

Product Name	DGKA
Chinese Name	甘油二酯激酶 α/DGK-α 抗体
Alias	80 kDa diacylglycerol kinase; DAG kinase alpha; DAGK; DAGK1; DGK alpha; DGK-alpha; dgkA; DGKA_HUMAN; Diacylglycerol kinase alpha; Diacylglycerol kinase, alpha 80kDa; Diglyceride kinase alpha; MGC12821; MGC42356; OTTHUMP00000242836; OTTHUMP00000242955; OTTHUMP00000244046.
Research Area	Tumour Cell biology Signal transduction The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human, Rat, (predicted: Mouse, Dog, Pig, Cow, Horse, Rabbit, Sheep,)
Applications	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	83kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human DGKA: 201-300/735
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PubMed

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Product Detail

The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

Function:
Upon cell stimulation converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity.

Tissue Specificity:
Lymphocytes and oligodendroglial cells.

Similarity:
Belongs to the eukaryotic diacylglycerol kinase family.
Contains 1 DAGKc domain.
Contains 2 EF-hand domains.
Contains 2 phorbol-ester/DAG-type zinc fingers.

SWISS:
P23743

Gene ID:
1606

Database links:

Entrez Gene: 1606 Human

Omim: 125855 Human

SwissProt: P23743 Human

Unigene: 524488 Human

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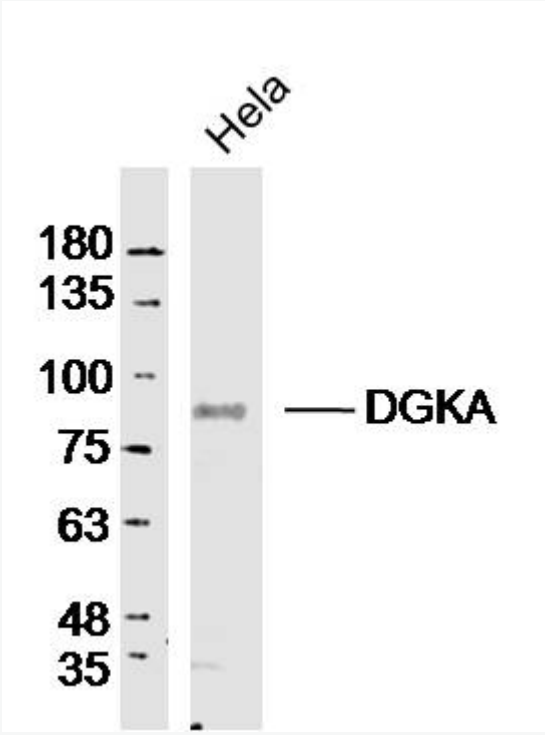
Product Picture



Sample:Hela Cell(Human)Lysate at 40 ug

Primary: Anti-DGKA(SL14294R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 83kD

Observed band size: 83kD

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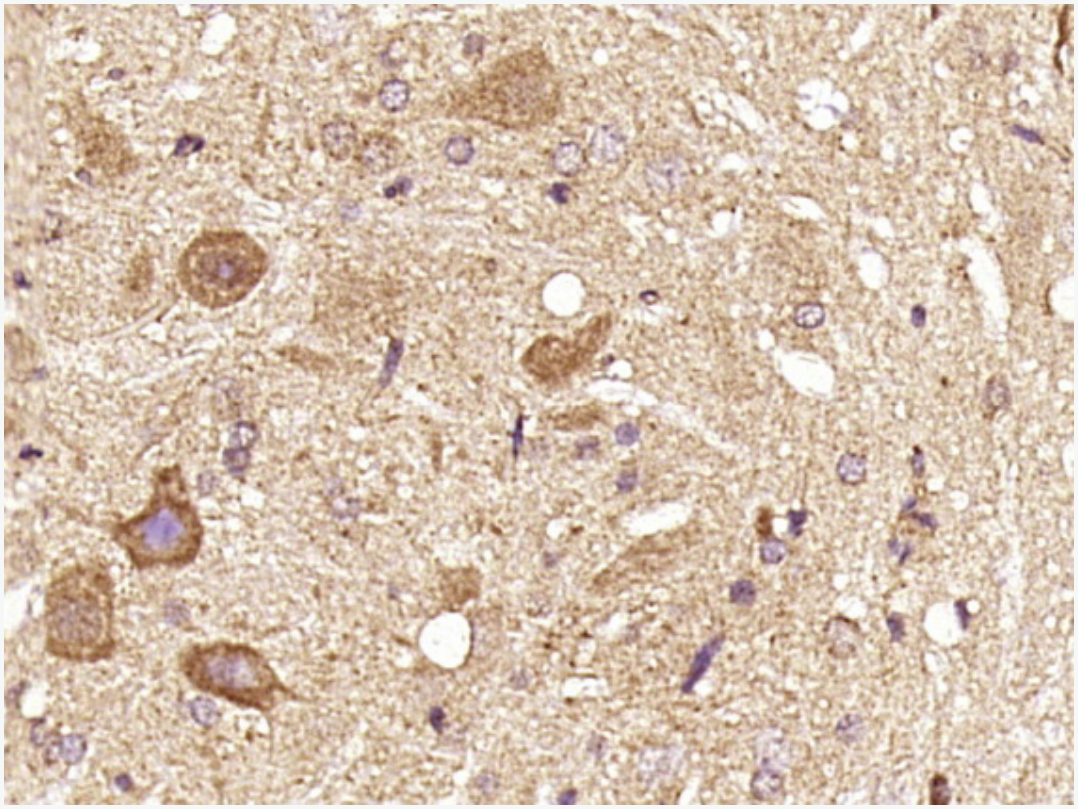

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DGKA) Polyclonal Antibody, Unconjugated (SL14294R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.